

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/530,073
Source: Pg 1/10
Date Processed by STIC: 1/18/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/530,073

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1. Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2. Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3. Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4. Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5. Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6. PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7. Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8. Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

9. Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

10. Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11. Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12. PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13. Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



PCT

RAW SEQUENCE LISTING

DATE: 01/18/2006

PATENT APPLICATION: US/10/530,073

TIME: 15:17:55

Input Set : A:\AM101125.txt

Output Set: N:\CRF4\01182006\J530073.raw

3 <110> APPLICANT: Nair, Venugopal K.
 4 Baigent, Susan J.
 5 Currie, Richard J.
 7 <120> TITLE OF INVENTION: Assay Methods for Detection of a Virus in an Avian Tissue

Sample

9 <130> FILE REFERENCE: AM101125
 11 <140> CURRENT APPLICATION NUMBER: 10/530,073
 12 <141> CURRENT FILING DATE: 2005-04-01
 14 <160> NUMBER OF SEQ ID NOS: 9
 16 <170> SOFTWARE: PatentIn version 3.2

18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 26
 20 <212> TYPE: DNA
 21 <213> ORGANISM: DNA Probe
 23 <400> SEQUENCE: 1
 24 agaccctgat gatccgcatt gcgact

27 <210> SEQ ID NO: 2

28 <211> LENGTH: 21

29 <212> TYPE: DNA

30 <213> ORGANISM: Synthetic DNA Primer

32 <400> SEQUENCE: 2

33 ggtctggtgg tttccaggtg a

36 <210> SEQ ID NO: 3

37 <211> LENGTH: 21

38 <212> TYPE: DNA

39 <213> ORGANISM: DNA Probe

41 <400> SEQUENCE: 3

42 gcatagacga tgtgctgctg a

45 <210> SEQ ID NO: 4

46 <211> LENGTH: 24

47 <212> TYPE: DNA

48 <213> ORGANISM: DNA Probe

50 <400> SEQUENCE: 4

51 tacttcctat atagattgag acgt

54 <210> SEQ ID NO: 5

55 <211> LENGTH: 24

56 <212> TYPE: DNA

57 <213> ORGANISM: DNA Probe

59 <400> SEQUENCE: 5

60 gagatcctcg taagggtgtaa tata

63 <210> SEQ ID NO: 6

64 <211> LENGTH: 19

65 <212> TYPE: DNA

66 <213> ORGANISM: DNA Probe

pp 1-2
 Does Not Comply
 Corrected Diskette Needed

invalid <213> response - see item 10 on Euro
 summary
 sheet

26

21

21

24

24

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/530,073

DATE: 01/18/2006

TIME: 15:17:55

Input Set : A:\AM101125.txt

Output Set : N:\CRF4\01182006\J530073.raw

68 <400> SEQUENCE: 6
 69 cactgccact gggctctgt 19
 72 <210> SEQ ID NO: 7
 73 <211> LENGTH: 21
 74 <212> TYPE: DNA
 75 <213> ORGANISM: DNA Probe
 77 <400> SEQUENCE: 7
 78 gcaatggcaa taaacctcca a 21
 81 <210> SEQ ID NO: 8
 82 <211> LENGTH: 27
 83 <212> TYPE: DNA
 84 <213> ORGANISM: Synthetic DNA Primer
 86 <400> SEQUENCE: 8
 87 agtctggaga agtctgtgca gcctcca
 90 <210> SEQ ID NO: 9
 91 <211> LENGTH: 2466
 92 <212> TYPE: DNA
 93 <213> ORGANISM: DNA
 95 <400> SEQUENCE: 9
 96 gaattcgggtg atataaagac gatagtcattg catgacgtgg ggggctggat cgactgatat 60
 98 ctaatgggttc gggagtgata cggagacggg gggggggggg aaatgatcga tttataccta 120
 100 cctcttaaat aaactattgc tcctttataa aatgacaggt gaattgtgac cggttcgcgaa 180
 102 cgtgtaattc ttcaataactt tcgggtctgt ggggtgtgct tttttaatta ttattttggt 240
 104 tcggggaggt tgggtgctgga atgttaagaa taaattccgc aactgattc ctaggcaggc 300
 106 gtctcttgca ggtgtataacc agggagaagg cgggcacggg acaggtgtaa agagatgtct 360
 108 caggagccag agccggggcgc tatgccctac agtcccgtctg acgatccgtc cccctcgtat 420
 110 ctttctctcg ggtcgacttc gagacggaaa aaaaggaaaa gtcacgacat ccccaacagc 480
 112 ccctccaaac accccttccc tgacggccta tctgaggagg agaaacagaa gctggaaaagg 540
 114 aggagaaaaa ggaatcgtga cgccgctcgg agaagacgca ggaagcagac ggactatgta 600
 116 gacaaactcc atgaagcatg tgaagagctg cagaggggcca atgaacacct acgtaaggaa 660
 118 attcgagatc taaggactga gtgcacgtcc ctgctgttac agttggcttg tcatgagcca 720
 120 gtttgcccta tggcgggtacc cctaaccggtg acccttggac tgcttaccac cccgcacgat 780
 122 ccggttccctg aacctcccat ttgcactcct ccacctccct caccggatga acctaacgct 840
 124 ccacattgct ccgggttccca acctcctatc tgtaccccc ctcctcccga tacggaggaa 900
 126 ctttgccccc agctctgctc gacccccacca cctcccatct ctactcccca tattatctac 960
 128 gctccggggc cttccccctt ccaacctcct atctgtaccc cccctcctcc cgatgcggag 1020
 130 gagctttgctg ccagctctg ctgcaccca ccacctccca tctgtactcc ccattccctc 1080
 132 ttctgcccctc ccagcctcc atctccggag ggaatcttcc ctgcattgtg tcctgttacc 1140
 134 gagccgtgta cccctccatc gccgggggacg gtttacgctc agctttgtcc tgttggccag 1200
 136 gctccccctt ttaccccatc tccccacat ccggctccgg agccggagag gctttatgct 1260
 138 cgtcttaccg aggatcccgga acaggattcc ttgtattcgg gccagattta tattcagttt 1320
 140 ccctcggata ctacgtctac ggtctggtgg ttccagggtg acgggagacc ctgatgatcc 1380
 142 gcattgcgac tctcagcagc acatcgtcta tgccccatgt ttcttctccc ctagtatat 1440
 144 ataatagttt tcatagtttc gggaagatca acataaagga aagggttaaa ggcattat 1500
 146 atcgatttac tgacataaaa aaatcctctg gggtaacaaa ttttccctta ccgtgtagct 1560
 148 tagactcgga agaactat 1620
 150 cgaagtatga gataaactta gctatgtgga aaacttctgg ggcaacatct ctcgcccca 1680
 152 gactgcttaa atggcaaatt ctggttctat acagaacggt tggggaaggg gggggggggg 1740
 154 gtatatggag tattattcgg gatatggctt ctatgaagct gcggtaagtt ttccaggctc 1800

not only is this an invalid response,
 this wouldn't be a sufficient explanation
 for
 2137 Artificial
 Sequence

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/530,073

DATE: 01/18/2006

TIME: 15:17:55

Input Set : A:\AM101125.txt

Output Set: N:\CRF4\01182006\J530073.raw

| | | | | | | | |
|-----|------------|-------------|------------|------------|------------|------------|------|
| 156 | aaaaactatg | cctggctggt | ttttttttta | gaagggatat | ggacatcgca | cattaaggaa | 1860 |
| 158 | tattaaagat | aacaggatgg | acattcggat | gtaaaaggaa | taagcgaaac | ctttagcaga | 1920 |
| 160 | tgtgagttaa | tgcagtctcg | tataattcgg | tggtgctgat | taggttatcg | taaggaacaa | 1980 |
| 162 | cacgattgat | ctctcatccg | cgtcccagca | atcaggccta | tgtccctctc | ctgtggccag | 2040 |
| 164 | ctcactggct | gtgcaactgtg | cgattctaag | tgctacagtc | gtgagcagat | caatggatcg | 2100 |
| 166 | gggctcgcg | aacactactg | taattaaata | ttcgtttatg | aattatgcaa | atatgcacag | 2160 |
| 168 | ataatatata | cagggatgca | cagacatact | cctatgcacc | gatacacagg | cacataggca | 2220 |
| 170 | gatgtcgaca | ttaacgaata | tacaggcacg | gacctccagg | aacatatgga | aaatacctca | 2280 |
| 172 | tcgcagagac | gcttatgcag | gagtaatctg | cgttaagtcg | ttactggatt | gtaacggcta | 2340 |
| 174 | tccggagact | ctcttccccct | tttgcttggt | cactgtgcgg | cattattaca | tttacaccgg | 2400 |
| 176 | taatgctgcg | catgaaagag | cgaacggaac | gaggctcgta | cgacattaca | agaatagttt | 2460 |
| 178 | gaattc | | | | | | 2466 |

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/530,073

DATE: 01/18/2006

TIME: 15:17:56

Input Set : A:\AM101125.txt

Output Set: N:\CRF4\01182006\J530073.raw